DEMIDOVICH, V.M.

Calculating thermal conditions of roller bearings in gas-
turbine engines.   Trudy KAI no.66:49-62 '61.   (MIRA 16:10)

(Roller bearings—Thermal properties)

DEMIDOVICH, V.M.

Slipping effect in GTRD roller bearings. Izv.vys. ucheb. zav.; av.
tekh. no.2:133-141 '58.   (MIRA 11:6)

1. Kazanskiy aviatsionnyy institut, Kafedra konstruktsii aviadviga-
teley.
                        (Roller bearings)

S/123/59/000/11/07/077

Translation from: Referativnyy zhurnal. Mashinostroyeniye, 1959, No. 11,
p. 32, # 41816

AUTHOR: Demidovich, V. M.

TITLE: The Effect of Radial Clearance on the Loss and Operating
            Temperature of Roller Bearings in Gas-Turbine Jet Engines

PERIODICAL: Tr. Kazansk. aviats. in-ta, 1958, No. 40, pp. 30-39

TEXT: The article has not been reviewed.

Card 1/1

S/123/59/000/008/010/043
A004/A002

Translation from: Referativnyy zhurnal, Mashinostroyeniye, 1959, No. 8, p. 31,
28836

AUTHORS: Kuz'min, G. A., Demidovich, V. M.

TITLE: Investigating the Operation of High-Speed Ball Bearings Under
            Conditions of Ample Lubrication

PERIODICAL: Tr. Kazansk. aviats. in-ta, 1958, Vol. 33-34, pp. 265-290

TEXT: Bibliographic entry

Card 1/1

DEMIDOVICH, V.M. (Kazan')

Dependence of losses and operating temperature of roller bearings in gas-turbine jet engines and the magnitude of radial loading. Trudy KAI 38:275-293 '58.

(MIRA 16:8)

(Roller bearings)

ACCESSION NR: AT4024395   S/2529/61/000/066/0049/0062

AUTHOR: Demidovich, V. M.

TITLE: Thermal analysis of gas turbine roller bearings

SOURCE: Kazan. Aviatsionny*y Institut. Trudy*, no. 66, 1961. Aviatsionny*ye dvigateli (Aircraft engines), 49-62

TOPIC TAGS: thermal analysis, turbine, gas turbine, roller bearing, rolling contact bearing, friction loss, hydrodynamic loss, energy loss, motion resistance, bearing temperature

ABSTRACT: The creation of reliable, continuously working, rolling contact bearings is one of the present problems in the development of reactive gas turbine prime movers. Bearings supporting the rotors of such movers operate under conditions in which their reliability and life are determined to a large extent by the working temperature. It has been established that rolling contact bearings made of steel ShKh-15 normally cannot work at temperatures in excess of 120-130 C. High-temperature draw increases somewhat their maximum permissible operating temperature, but at the same time it shortens their life. The existence of these upper limits of operating temperatures poses the problem of finding methods of thermal analysis to determine the flow rate of oil required for reliable cooling

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ACCESSION NR: AT4024395

of the bearing. Under operating conditions encountered in gas turbines, all energy required to drive the bearing is almost entirely transformed to heat, causing the temperature of the bearing to rise. Energy losses incurred while driving a rolling contact bearing located beyond the hot zone of the gas turbine can be expressed as

$$\sum Q = Q_f + Q_h \tag{1}$$

where Q_f is the sum of friction losses and Q_h is the sum of hydrodynamic losses. The problem of how to determine these losses has been reduced by the author to the hydrodynamic problem of finding the energy losses involved in overcoming the resistance to motion of m rollers in a liquid, accounting for other loads acting on them. This resulted in the following expression:

$$Q = 10.6 \beta m \zeta 1^2 U^3 (Re^{-0.5} Eu^{0.5} + 3.7 \times 10^4 Re^{-1} Pr^{-0.8}) \frac{kCal}{hr} \tag{2}$$

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ACCESSION NR: AT4024395

where

$$\beta = 1 + 1.7\, d(0.00125 - \frac{h}{d})$$

d = diameter of shaft
h = radial working clearance in bearing
l = linear dimension of roller
m = number of rollers
U = circumferential velocity of roller cage
ρ = density of oil
Eu = Euler number
Pr = Prandtl number
Re = Reynolds number

Additionally:

$$Eu = \frac{2.92\, P + mP_o}{2\, ml^2\, \rho\, U^2} \qquad (3)$$

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ACCESSION NR: AT4024395

where P = radial load on bearing,

P_c = centrifugal force produced by one roller

$$Re = \frac{U1}{v}$$

where v = kinematic viscosity of oil. For practical purposes the transformer oil used

$v = 3.6 x t_{1,1}^{-1.57}$

$t_{1,1}$ = lubricating oil temperature at inlet to bearing

$Pr = 2.57 \times 10^4 \, t_{1,i}^{-1.41}$ for conditions considered.

The expression for ΣQ agrees with results of tests performed by the author. The flow rate q of oil required to maintain a working temperature t_b of the bearing has been expressed as follows:

$$q = \frac{\Sigma Q}{C_p (t_b - t_{1,i})} \qquad (4)$$

Cord   4/5

ACCESSION NR: AT4024395

where C_p is the specific heat of oil at constant pressure. It has been concluded that the method offered by the author is suitable to determine for practical purposes the flow rate of oil through the bearing bodies to operate them at a given working temperature and increase their reliability and life. The investigations performed on energy required to drive the bearings, and generalization of the results on the basis of similarity laws, constitute an independent contribution to science. Orig. art. has: 4 figures and 36 formulas.

ASSOCIATION: Aviatsionnyy institut, Kazan (Aviation Institute)

SUBMITTED: 10Apr61   DATE ACQ: 15Apr64   ENCL: 00

SUB CODE: PR   NO REF SOV: 007   OTHER: 000

Card 5/5

L 16497-65   EPF(c)/EPR/EWP(k)/EWT(m)/T/EWP(w)/EWP(v)   Pf-4/Pr-4/Ps-4
AEDC(b)/ASD(j)-3/AFTC(a)   EM/DJ
ACCESSION NR: AR4049370   8/0186/64/000/009/0020/002C

SOURCE: Ref. zh. Turbostroyeniye. Otdel'ny*y vy*pusk, Abs. 9.49.104

AUTHOR: Demidovich, V.M.

TITLE: Application of the theory of similarity to the flow of lubricants in the channels of
gas turbine roller bearings

CITED SOURCE: Tr. Kazansk. aviats. in-ta, vy*p. 76, 1963, 63-73

TOPIC TAGS: roller bearing, bearing lubricant flow, flow similarity condition, theory of
similarity, gas turbine, turbine lubrication

TRANSLATION: A system of equations governing the forced and stabilized motion of a
viscous incompressible fluid is analyzed and a basic solution to the system in written
in the criterion form $F(Re, Eu, Pr)=0$. Based on the theory of similarity of lubricant
flows in the channels of geometrically similar bearings will exist in the presence of
similarity of equivalence values and identical numerical values of the governing criteria
(Re, Eu, Pr) as obtained from the cited solution. A partial solution to the cited system
is written in the form of a drag coefficient equal to the sum of friction drag and hydraulic

Card 1/2

L 16497-65
ACCESSION NR: AR4049370

drag $C = \varphi(Re, Eu, Pr) = C_1 + C_2 = \varphi_1 (Re, Eu) + \varphi_2 (Re, Pr)$. Functions φ_1 and φ_2
were determined experimentally. Bibl. with 12 titles. S. Shteynman

SUB CODE: PR, FP   ENCL: 00

Card 2/2

DEMIDOVICH, V.M., kand. tekhn. nauk, dotsent

Applying the theory of similitude to oil flow in roller-bearing channels of a gas-turbine engine. Trudy KAI no.76:63-73 '63.

Analysis of thermal conditions in roller bearings of a gas turbine engine with various systems of oil feed. Ibid.:117-130

(MIRA 19:2)

1. Submitted February 7, 1963.

L 25563-65   EWT(d)/EWT(1)/EWT(m)/EWP(w)/EWP(f)/EPF(c)/EWP(v)/EPR/T/EWP(k)/EPA(bb)-2/
EWA(c)   Pf-4/Pr-4/Ps-4   EM/DJ
ACCESSION NR: AR4046150   S/0264/64/000/008/A051/A051

SOURCE: Ref. zh. Vozdushnyy transport, Svodnyy tom, Abs. 8A290

AUTHOR: Demidovich, V. M.

TITLE: Calculating the thermal environment of roller-contact bearings in gas
turbines in relation to various lubrication methods

CITED SOURCE: Tr. Kazansk. aviats. in-ta, vyp. 76, 1963, 117-130

TOPIC TAGS: gas turbine, roller contact bearing, bearing lubrication, bearing
temperature, injector nozzle feed, outer ring feed, bearing work calculation,
turbine lubrication

TRANSLATION: Prolonged and proper operation of roller-contact bearings requires
that the temperature of the outer ring remain 30-40C below the annealing tem-
perature of the bearing material. A method for calculating the required feed of
lubricant is needed to maintain the desired temperature in a bearing. Loss of
energy to drive the bearing depends on the speed of the separator, the channeling
and pumping of lubricant, the load on a bearing and tolerance in it, density and

Card   1/2

L 25663-65
ACCESSION NR: AU4045150

viscosity of the lubricant, etc. The author previously derived a formula for calculating the operation of a bearing in which the lubricant is fed through an injector nozzle. The current article considers a method of feeding lubricants through the bearing's outer ring. The calculation formula is based on experimental data obtained on a special unit with three sizes of serially produced roller-contact bearings (d = 80 to 65 mm) for gas turbines. Radial loads varied from 70 to 100 kg, separator speed from 10 to 22.5 m/sec, transformer oil was fed at 100-150 kg/hr. at an inlet temperature of 40-100C. Test data are given and also approximated in empirical formulas. Analysis of the cited data makes it possible to obtain a single formula for both methods of supplying lubricant. The formula is recommended for calculations of the energy required to drive a bearing and allows one to define the optimal level of lubricant feed through it. Bibl. with 7 titles. K. L. Sterling

SUB CODE: PR, TD   ENCL: 00

Card 2/2

L 20712-66   EWT(d)/EWT(1)/EWT(m)/EWP(f)/EPF(n)-2/T/ETC(m)-6   JD/WW/DJ
ACC NR: AT6007558   UR/2529/63/000/076/0063/0073

66
B+1

AUTHOR: Demidovich, V.M.

ORG: Kazan Aeronautical Institute, Kazan (Kazanskiy aviatsionnyy institut)

TITLE: Utilization of the theory of similitude in the analysis of oil flow in the passages of gas turbine engine bearings

SOURCE: Kazan, Aviatsionnyy institut. Trudy, no. 76, 1963. Aviatsionnyye dvigateli (Aircraft engines), 63-73

TOPIC TAGS: hydrodynamics, lubricating oil, lubrication, roller bearing, gas turbine engine

ABSTRACT: The need for a theoretical study based upon the theory of similitude arose in connection with the requirement for a generalization of experimental research data accumulated on gas turbine engine ("GTD") bearings. These are lubricated and cooled by a forced thruflow of oil. The conditions of hydrodynamic similitude of the oil flow in the passages of geometrically similar bearings are studied. Because of the non-iso-thermic nature of the oil flow, its hydrodynamics are governed by all four equations defining, in a general case, the forced stationary flow of the viscous, incompressible fluid. These are the equations of continuity, conservation of momentum, conservation of energy, and of state. Existing analytical studies show that, in principle, the so-lution of these equations, if it exists, can be presented in the general form

Card 1/2   2

L 20712-66

ACC NR: AT6007558

$$F(Re, Eu, Pr) = 0 \qquad\qquad (1)$$

with the designations: Re — Reynold's number, Eu — Euler criterion, Pr — Prandtl' number. The author reviews and discusses the basic situation in the light of conditions for non-ambiguity of the process description (geometrical, physical and boundary), in connection with the describing classes of criteria. He then adds non-ambiguity conditions and introduces an isothermal approximation to the general process of the oil flow, which reduces the number of hydrodynamic equations to three. The search for a practically significant particular solution of equation (1) can now be joined. A suitable nondescribing but technically pertinent criterion for the oil flow is found to be the total hydraulic flow resistance, C, of the oil passages. This is obtained as:

$$C = \varphi_1(Re, Eu) + \varphi_2(Re, Pr) \qquad (2)$$

The determination of actual values of the functions φ_1 and φ_2 becomes now a problem of experimentation. Orig. art has: 35 formulas.

SUB CODE: 20   SUBM DATE: 7Feb63   ORIG REF: 012   OTH REF: 000

Card 2/2 BK

L 22003-66   EWT(1)/EWT(m)/T/ETC(m)-6   JD/WB/DJ

ACC NR: AT6007562   UR/2529/63/000/076/0117/0130

AUTHOR: Demidovich, V.M. (Docent; Candidate of Technical Sciences)   68
                                                                                 B+1
ORG: Kazan Aviation Institute, Kazan (Kazanskiy aviatsionnyy institut)

TITLE: Design of heat regime of gas turbine roller bearings for various methods of
oil delivery.

SOURCE: Kazan. Aviatsionnyy institut. Trudy, no. 76, 1963. Aviatsionnyye dvigateli
(Aircraft engines), 117-130

TOPIC TAGS: gas turbine bearing, gas turbine roller bearing, gas turbine bearing
heat, gas turbine bearing lubrication, fluid flow lubricating oil, flow parameter

ABSTRACT: This paper applies the similitude theory of roller bearing lubrication to
the case of oil delivery through the outer bearing ring. Utilizing previous studies
on oil delivery by jets, a universal formula is developed, good for the determination
of oil flow parameters assuring reliable bearing operation in either method of oil de-
livery. The formula achieves its purpose by enabling the determination of total ener-
gy losses in the bearing. Reliable operation of roller bearings requires outer ring
temperatures to be 30 - 40 ^{0}C under the point of hardness deterioration. The proper
oil flow can therefore be calculated on the basis of maximum allowable bearing tempe-
rature, entering oil temperature, and the expected heat flow. This is computable

Card 1/2

L 22008-66

ACC NR: AT6007582

from the theoretical expression developed in this paper, namely:

$$\Sigma Q = 8.44 \cdot \beta \cdot m \cdot \rho \cdot l^2 \cdot U^3 [1.26(re)^{-.5} \cdot (Eu)^{.5} + B(Re)^n \cdot (Pr)^k] \text{ k.cal./hour} \quad (1) \quad \text{where:}$$

1) for jet oil delivery: $B = 46.5 \times 10^3$; $n = -1.0$; $k = -.8$ (2) and

2) for ring delivery: $B = 18 \times 10^5$; $n = -1.25$; $k = -1.0$ (3)

Notations are as follows: ΣQ - total energy losses in the bearing, assumed to equal total heat developed; - correction coefficient for bearing radial play; m - number of rolling elements; ρ - oil density; l - linear dimension of rolling body; U - circular velocity of bearing separator; Re - Reynold's number; Eu - Euler criterion; Pr - Prandtl's number. B, n and k are non-dimensional coefficients. Orig. art. has: 4 figures, 29 formulas.

SUB CODE: 13, 11, 21/ SUBM DATE: 7Feb63/ ORIG REF: 007/ OTH REF: 000

Card 2/2 BK

BONDARENKO, B.K.; DEMIDOVICH, V.N.

A generator of chaotic pulses. Geofiz. prib. no. 12:90-92
'62.   (MIRA 17:5)

1. VMOLA.

DEMIDOVICH, V.N.; LEVCHENYA, N.S.; MAZIN, P.N.

Use of an electroluminescent matrix screen. Geofiz. prib. no.
12:107-112 '62.   (MIRA 17:5)

1. VMOEA.

L 35056-65   IJP (m)   IJP(c)
ACCESSION NR: AP5006170   S/0286/65/000/005/0053/0053

AUTHORS: Myasnikov, O. A.; Demidovich, V. N.

TITLE: An ionization-mechanical chamber for recording nuclear radiation. Class 21,
No. 168805

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 5, 1965, 53

TOPIC TAGS: ionization chamber, nuclear radiation, electric field

ABSTRACT: This Author Certificate presents an ionization-mechanical chamber for
recording nuclear radiation. It consists of a system of positive and negative
electrodes. To acquire an ionization current in the pulse signal, the frequency and
amplitude of which are functions of radiation intensity, a spherical particle with a
conducting surface is placed between the electrodes. This particle oscillates
between the electrodes through the effect of the electrical force field and the
force of gravity. For measuring in an air-equivalent environment or in air, the
particle introduced between the electrodes is suspended by a fiber of insulating
material, and the oscillation is attained through the effect of the electrical force
field (see Fig. 1 on the Enclosure). For measuring the intensity of neutron flux, a
layer of material fissionable by neutron bombardment (such as U^{235}) is spread on the
Card 1/1

L 35056-65
ACCESSION NR: AP5003170

walls of the chamber between the electrodes. Orig. art. has: 1 figure.

ASSOCIATION: none

SUBMITTED: 20Dec63   ENCL: 01   SUB CODE: NP, IE

NO REF SOV: 000   OTHER: 000

Card 2/3

L 05645-67   EWT(m)   IJP(c)

ACC NR: AP6018363   SOURCE CODE: UR/0089/66/020/005/0442/0444

AUTHOR: Myazdrikov, O. A.; Demidovich, V. N.; Suslov, A. P.

47

ORG: none

B

TITLE: Ionization-mechanical detector for ionizing radiation   10

SOURCE: Atomnaya energiya, v. 20, no. 5, 1966, 442-444

TOPIC TAGS: ionization detector, ionizing radiation, capacitor

ABSTRACT: The detector is based on an electromechanical diode invented by the author
(Author's Certificates nos. 155049 and 168805), wherein a small charged body is made
to oscillate between the electrodes of a capacitor and exchange charge alternately
between the capacitor plates (Fig. 1). The body employed is a sphere of polystyrene
(type PS-5B) coated with graphite to make its surface conducting. Relations are es-
tablished between the electrode voltage, interelectrode distance, diameter of the body,
and the weight of the body. Application of ionizing radiation reduces the natural
frequency of the oscillations and can be used to determine the number of ionizing
particles. The detector was calibrated against γ radiation from cobalt at a dose
intensity from zero to 380 r/sec and calibration curves for this range are presented.
At dose intensities above 50 r/sec the relation between the oscillation frequency and
the dose intensity is parabolic. It is proposed that the ionization-mechanical
detector can solve some special problems in the measurement of large radiation fluxes
of different types, especially low-energy radiation. Orig. art. has: 2 figures and
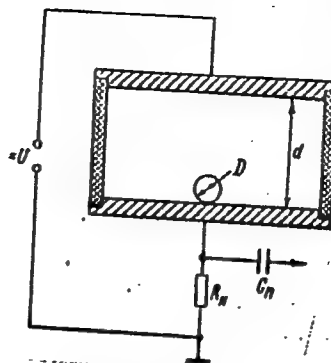
Card   1/2   UDC: 621.376.577.391

L 05645-67
ACC NR: AI6018363

Fig. 1.   Diagram of detector.

9 formulas.

SUB CODE: 20/   SUBM DATE: 16Oct65/   ORIG REF: 003/   OTH REF: 001

Card 2/2

DEMIDOVICH, Ye.A.; PINDYURIN, N.I., starshiy kalibrovshchik

Rolling of lightweight shapes on the 550 mill. Metallurg
6 no.7:20-23 Jl '61.

(MIRA 14:6)

1. Yenakiyevskiy metallurgicheskiy zavod. 2. Nachal'nik
prokatnoy laboratorii TSentral'noy zavodskoy laboratorii
Yenakiyevskogo metallurgicheskogo zavoda (for Demidovich).

(Rolling (Metalwork))

VEYSEEYN, A.D.; DEMIDOVICH, Ye.A.; ROTMISTROVSKIY, B.M.

Increasing the efficiency of three-high mills. Metallurg 8 no.6:
25-27 Je '63.   (MIRA 16:7)

1. Yenakiyevskiy metallurgicheskiy zavod.
               (Rolling mills)

SOV/137-58-8-16865

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 8, p 92 (USSR)

AUTHOR: Demidovich, Ye.A.

TITLE: Improvement in Grooving for Narrow-gauge Rails at the Yena-
            kiyevo Metallurgical Plant (Uluchsheniye kalibrovok rel'sov uzkoy
            kolei na Yenakiyevskom metallurgicheskom zavode)

PERIODICAL: Tr. Nauchno-tekhn. o-va chernoy metallurgii. Ukr. resp.
            pravl., 1957, Vol 2, pp 173-192

ABSTRACT: A description is presented of measures carried out to in-
            crease the output of an 800 rail-and-structural mill in the roll-
            ing (R) of narrow-gauge rails (RA) weighing 24 kg per running
            meter. The starting cross section of the billets from the
            blooming mill was increased from 200x230 mm to 240x260 mm.
            The order of the roll passes was changed, and this made it
            possible to perform simultaneous R of R-24 RA and of 150 and
            170-mm square billets. The rail passes were changed from
            straight to diagonal. The changes thus made resulted in a rise
            in output, improvement in the life of the rolls and reduction in
            the quantity of rejects and 2nd-grade product. Descriptions
Card 1/2   are also provided of the improvements in groovings carried

SOV/137-58-8-16865

Improvement in Grooving for Narrow-gauge Rails (cont.)

out on a 550 merchant mill for R R-18 RA and on a 360 merchant mill for R of R-5 RA. Reduction in the number of rail passes to 5 by using shaped billets from the breakdown stand made it possible to raise the output of the 360 mill by 10-12% in the R of R-5 RA and to improve the quality of the RA by raising the temperature at the close of the R period. In addition, the labor of the rolling-mill operators on the Nr-3 stand has become lighter, the total number of rolls has been reduced, and their life has been increased.

S.G.

1. Tracks (Railroad)—Production
2. Rolling mills—Performance

Card 2/2

DEMIDOVICH, Ye.A.

Rolling of R-24 rails made of semikilled steel. Metallurg 7 no.3:
25-27 Mr '62.

(MIRA 15:2)

1. Nachal'nik prokatnoy laboratorii TSentral'noy zavodskoy
laboratorii Yenakiyevskogo metallurgicheskogo zavoda.
(Rolling (Metalwork)) (Railroads--Rails)

DEMIDOVICH, Ye.A.; AYZENSHTEYN, M.D.

Supply of railroad rails by theoretical weight. Metallurg 8
no.7:27-28 Jl '63.
(MIRA 16:8)

1. Yenakiyevskiy metallurgicheskiy zavod.
(Railroads—Rails)   (Rolling (Metalwork))

MISHCHENKO, N.M., inzh.; BERDICHEVSKIY, Ye.Ye., inzh.; TERMINOSYAN, N.S., inzh.; KURILOV, A.I., inzh.; POLYAKOV, M.M., inzh.; DEMIDOVICH, Ye.A., inzh.; PINDYURIN, N.I., inzh.; Prinimali uchastiye: MALINOVSKIY, V.G.; MOLCHANOV, I.V.; MASHISHINA, M.P.; YEMCHENKO, Ye.K.; CHEREDNICHENKO, A.A.; STEPANOV, V.A.; SKACHKOV, L.N. [deceased]; KOSHMAN, A.I.; SHCHEKLIN, V.V.; CHUBATYUK, Ye.G.; KHITOVA, Ye.Ye.; KOROBOVA, G.Z.; ROTMISTROVSKIY, B.M.; VEYSBEYN, A.D.

Increasing the efficiency of section tandem mills by the use of repeaters. Stal' 23 no.3:236-241 Mr '63.

(MIRA 16:5)

1. Yenakiyevskiy metallurgicheskiy zavod.

(Rolling mills--Equipment and supplies)

DOLGOKER, Yu.P.; UTSIS, L.M.; BEDA, N.I.; BOGOMOLOV, L.A.; DEMIDOVICH,
    Ye.A.; PINDYURIN, N.I.

Adopting economically shaped light weight rolled products
in U.S.S.R. plants. Met. i gornorud. prom. no.1:66-70
                                                    (MIRA 17:10)
Ja-F '64.

AYZENSHTEYN, M.D.; DEMIDOVICH, Ye.A.; KOBA, A.G.

Fluting inclined sections of roll grooves by disk knurling.
Metallurg 9 no.5:34-35 My '64.   (MIRA 17:8)

1. Yenakiyevskiy metallurgicheskiy zavod.

DEMIDOVICH, Ye.A., inzh.; AYZENSHTEYN, M.D., inzh.; STEPNOY, A.V., inzh.

Wear-resistant hard facing of rolling mill rolls under a ceramic
flux. Svar.proizv. no.12:21-23 D '64. (MIRA 18:1)

1. Yenakiyevskiy metallurgicheskiy zavod.

DEMIDOVICH, Ye.A.; TSYPLAKOV, V.D. [deceased]; CHEREDNICHENKO, A.L.

Increasing the durability of three-high rolling mill rolls.
Metallurg 10 no.3:27-28 Mr '65.   (MIRA 18:5)

1. Yenakiyevskiy metallurgicheskiy zavod.

KULAGIN, S.G.; KOVBASYUK, L.D.; DAGAYEV, M.M.; LAZAREVSKIY, V.S.; KAVERIN,
   A.A.; KUKLIN, G.V.; CHERNYKH, N.S.; DEMIDOVICH, Ye.G.; BRONSHTEN,
   V.A.; YAKHONTOVA, N.S. (Leningrad); PEROVA, N.B.; DOKUCHAYEVA,
   O.D.; KATASEV, L.A.; MASEVICH, A.G.; SHCHERBINA-SAMOYLOVA, I.S.;
   ARSENT'YEV, V.V.; FRANK-KAMENETSKIY, D.A.; LEYKIN, G.A.; SHCHEGLOV,
   P.V.; PEREL', Yu.G.; BAKULIN, P.I., otv.red.; MASEVICH, A.G., red.;
   PARENAGO,P.P., red.; RAKHLIN, I.Ye., red.; AKHLAMOV, S.N., tekhn.red.

[Astronomical calendar. A yearbook; variable section for 1959]
Astronomicheskii kalendar'. Ezhegodnik. Peremennaia chast',
1960. Red.kollegiia P.I.Bakulin i dr. Moskva, Gos.izd-vo fiziko-
matem.lit-ry, 1959. 351 p. (Vsesoiuznoe astronomo-geodezicheskoe
obshchestvo, no.63)   (MIRA 13:1)

1. Gosudarstvennoye astronomo-geodezicheskoye obshchestvo (GAGO)
(for Kulagin, Kovbasyuk, Lazarevskiy, Demidovich). 2. Moskovskoye
otdeleniye Vsesoyuznogo astronomo-geodezicheskogo obshchestva
(MOVAGO) (for Dagayev, Bronshten, Perova).
          (Astronomy--Yearbooks)

DEMIDOVICH, YE.G.

PHASE I BOOK EXPLOITATION   SOV/5721

Vsesoyuznaya astrometricheskaya konferentsiya.

Trudy 14-y Astrometricheskoy konferentsii SSSR, Kiyev, 27-30 maya 1958 g.
   (Transactions of the 14th Astrometrical Conference of the USSR, Held in Kiyev
   27-30 May 1958) Moscow, Izd-vo AN SSSR, 1960. 440 p. Errata slip inserted.
   1000 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Glavnaya astronomicheskaya observatoriya
   (Pulkovo).

Resp. Ed.: M. S. Zverev, Corresponding Member, Academy of Sciences USSR; Ed. of
   Publishing House: N. K. Zaychik; Tech. Ed.: R. A. Zamareyeva.

PURPOSE: The book is intended for astronomers and astrophysicists, particularly
   those interested in astrometrical research.

COVERAGE: This publication presents the Transactions of the 14th Astrometrical
   Conference of the USSR, held in Kiyev 27-30 May 1958. It includes 27 reports
   and 55 scientific papers presented at the plenary meeting of the Conference

Card 1/26.

60

Transactions of the 14th Astrometrical (Cont.)   SOV/5721

and at the special sectional meetings. An appendix contains the resolutions adopted by the Conference, the composition of the committees, the agenda, and the list of participants at the Conference. A brief summary in English is given at the end of each article. References follow individual articles. The Presidium of the Astrometrical Committee (Chairman M. S. Zverev), which supervised the preparation of this publication, expresses thanks to the members of the secretariat: V. M. Vasil'yev, I. G. Kol'chinskiy, A. B. Onegira, and Kh. I. Potter.

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        INFORMATION ON ASTROMETRICAL WORK PRESENTED BY VARIOUS INSTITUTIONS

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KULAGIN, S.G.; KOVBASYUK, L.D.; DAGAYEV, M.M.; LAZAREVSKIY, V.S.;
DEMIDOVICH, Ye.G.; BRONSHTEN, V.A.; YAKHONTOVA, N.S.(Leningrad);
KUROCHKIN, N.Ye.; DOKUCHAYEVA, O.D.; SHCHERBINA-SAMOYLOVA, I.S.;
MASEVICH, A.G.; LIPSKIY, Yu.N.; MARTYNOV, D.Ya.; ARSENT'YEV, V.V.;
MOROZ, V.I.; MASEVICH, A.G.; PEREL', Yu.G.; BAKULIN, P.I., otv.
red.; KULIKOV, G.S., red.; AKHLAMOV, S.N., tekhn. red.

[Astronomical calendar; yearbook.Variable part, 1962] Astrono-
micheskii kalendar'; ezhegodnik. Peremennaia chast', 1962. Red.
kollegiia: P.I.Bakulin i dr. Moskva, Gos.izd-vo fiziko-matem.
lit-ry, 1961. 259 p. (Vsesoiuznoe astronomo-geodezicheskoe ob-
shchestvo, no.65)   (MIRA 14:12)

1. Gosudarstvennoye astronomo-geodezicheskoye obshchestvo (for
Kalugin, Kovbasyuk, Lazarevskiy, Demidovich). 2. Moskovskoye ot-
deleniye Vsesoyuznogo astronomo-geodezicheskogo obshchestva (for
Dagayev, Bronshten, Kurochkin).
                (Astronomy—Yearbooks)

S/269/63/000/004/009/030
A001/A101

AUTHORS: Demidovich, Ye. G., Kulagin, S. G.

TITLE: Observations of noctilucent clouds in the Gor'kiy branch of VAGO in
             1960

PERIODICAL: Referativnyy zhurnal, Astronomiya, no. 4, 1963, 28, abstract
             4.51.275 ("Tr. Soveshchaniya po serebristym oblakam, 1961, v. 3",
             Tallin, 1962, 157 - 163, English summary)

TEXT: Five cases of appearance of noctilucent clouds were noted during
the period of observations (June, July, and partially also May and August 1960).
The summary table of patrol service is presented. The occurrence of noctilucent
clouds was compared with synoptic conditions. It turned out that in nights
25 - 26, 26 - 27 and 27 - 28 June, noctilucent clouds were observed under con-
ditions of anticyclone.

                                                        N. R.

[Abstracter's note: Complete translation]

Card 1/1

DEMIKHOVSKIY, Ye.I.; DAVYDOV, Ye.A.

Change in the sensitivity of Staphylococous to streptomycin
under the influence of ultrasonic waves and heating. Mikro-
biologiia 32 no.1:58-60 '63   (MIRA 17:3)

1. Dnepropetrovskiy meditsinskiy institut.

ACCESSION NR: AT4011399   S/2789/63/000/047/0096/0100

AUTHOR: Demidova, Ye. I.; Nevzorova, L. V.

TITLE: Vertical distribution of liquid water content in stratiform clouds and its relationship to temperature at the lower cloud boundary

SOURCE: Tsentral'naya aerologicheskaya observatoriya. Trudy*, no. 47, 1963. Fizika oblakov, 96-100

TOPIC TAGS: cloud liquid water content, cloud, cloud boundary, meteorology, stratiform cloud, stratus cloud, stratocumulus cloud

ABSTRACT: In 1958 Mazin concluded that the liquid water content (W) of a cloud is related to temperature at the lower boundary (t) and to height (z) above it as follows:

$$W = A(z) \; \frac{e^{bt}}{273 + t} \tag{1}$$

A study has been made to determine the correctness of this expression. About 1,400 measurements in stratus and stratocumulus clouds were made for this purpose by the aircraft atmospheric sounding station at Riga. It is concluded that the

Card 1/4

ACCESSION NR: AT4011399

Mazin formula in general describes quite well the mean dependence of the liquid water content in stratiform clouds on temperature at the lower boundary. However, the coefficient b differs from the theoretical value and increases with height; this apparently can be attributed to the gravitational settling of particles and the mixing of air with drier layers, which Mazin did not take into account. The appreciable difference between the experimental $A(z)$ curves and the theoretical curves in the thin layer ($z < 100$–150 m) above the lower cloud boundary can be eliminated easily by assuming that the lower boundary of visible clouds exceeds the condensation level by several tens of meters. These conclusions are supported by the Enclosures. Orig. art. has: 2 figures, 5 formulas and 3 tables.

ASSOCIATION: Tsentral'naya aerologicheskaya observatoriya (Central Aerological Observatory)

SUBMITTED: 00

DATE ACQ: 24Feb64

ENCL: 02

SUB CODE: AS

NO REF SOV: 003

OTHER: 000

Card 2/2

DEMIDOVICH, YU. A.

P. 246T54

USSR/Geography - Journals, New   Mar/Apr 53

"The New Geographical Journal of the Czechoslovak
Republic," Yu. A. Demidovich

"Iz Ak Nauk SSSR, Ser Geograf" No 2, pp 64-67

Beginning April 1952, Czechoslovakia published a
popular scientific geographical journal "Lide a
Zeme" /Peoples and Nations/, consisting of three
main parts: 1) large original articles, 2) short
discussions on various themes, and 3) reviews of
books and cartographic news of Czechoslovakia, USSR
and other People's Democracies.

246T54

DEMIDOVICH, Yu.

Cascades of the Vah. Vokrug sveta 5:13-16 My '53.   (MLRA 6:6)
(Vah Valley, Slovakia--Description and travel)

DEMIDOVICH, Yu.

Sumava. Vokrug sveta no.12:10-15 D '53.   (MLRA 6:12)
(Bohemian forest--Description and travel)

DEMIDOVICH, Yu. A.

Dissertation: --"Czechoslovakia (Physicogeographic Features)." Cand Geog Sci,
Inst of Geography, Acad Sci USSR, 25 Jun 54. (Vechernyaya Moskva, Moscow,
16 Jun 54)

SO: Sum 318, 23 Dec. 1954

DEMIDOVICH, Yu.A.

Improvement of land and water supply in Czechoslovakia. Trudy
Inst.geog. no.59:20-41 '54.   (MIRA 8:5)
        (Czechoslovakia--Agriculture) (Agriculture--Czechoslovakia)

DEMIDOVICH, Yu.A.

10-58-3-19/29

AUTHORS: Grushka, E., Votrubets, Ts. (Czechoslovakia)

TITLE: Second Scientific Conference on Economic Geography in Cze-
              choslovakia (II nauchnaya konferentsiya po ekonomicheskoy
              geografii v Chekhoslovakii)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya Geograficheskaya, 1958,
              Nr 3, pp 129-133 (USSR)

ABSTRACT: This is a translation of a Czechoslovakian-language article
              (Translators Yu.A. Demidovich and Yu.L. Pivovarov) published
              by the Czechoslovakian Academy of Sciences.

AVAILABLE: Library of Congress

Card 1/1

              1. Geography - Economic aspects - Czechoslovakia

DEMIDOVSKAIA, L.F.

Kozo-polyanskiy, B.M., Demidovskaya, L.F. and Prikhod'ko, S.N. "The cultivation of the Chinese lemon tree", Trudy Resp. botan. sada (Akad. nauk Kazakh. SSR). Vol. 1, 1948, p. 87-101, - Bibliog: p. 101.

SO: U-3042, 11 March 53, (Letopis 'n/kh Statey, No. 9, 1949)

USSR / Forest Science. Forest Management.   K-3

Abs Jour   : Ref. Zhur - Biologiya, No 17, 1958, No. 77492

Author   : Demidovskaya, L. F.
Inst   : AS Kazakh SSR
Title   : Types of Coppice Forests of North Kazakhstan

Orig Pub   : Izv. AN KazSSR. Ser. botan. i pochvoved., 1958, vyp. 1,
             16-27

Abstract   : Birch coppice forests of North Kazakhstan are characterized
             by sufficiently permanent composition and vary sharply
             in productivity (Qualities Ia-V) and forest renewal,
             accomplished mainly by the method of planting young shoots.
             Recommendations are cited for main cuttings with calculation
             for the low-stump type of management. With continuous
             cutting in types of birch groves 41-50 years old, with grass
             varieties, cherrytree-grass varieties and fresh grass covers,
             sprout renewal proceeds successfully. In birch groves with

Card 1/2

DEMIDOVSKAYA, L.F.; ISAMBAYEV, A.I.; YELISEYEVA, L.K.

Distribution and resources of ditch reed in Kazakhstan. Trudy
Inst. bot. AN Kazakh. SSR. 19:3-21 '64.   (MIRA 18:3)

DEMIDOVSKAYA, L.F.; ISAMBAYEV, A.I.

Classification of the growths of reed for productive use in the lower reaches of the Syr Darya River. Trudy Inst. bot. AN Kazakh. SSR. 19:38-62 '64.   (MIRA 18:3)

DEMIDOVSKAYA, L.F.; ATALYKOVA, F.M.; YELISEYEVA, L.K.

Utilization of reed depending on the seasonal changes in its chemical composition. Trudy Inst. bot. AN Kazakh. SSR. 19: 76-92 '64.   (MIRA 18:3)

DEMIDOVSKAYA, L.F.; KIRICHENKO, R.A.

Morphological and anatomical characteristics of reed and the
cycle of its development. Trudy Inst. bot. AN Kazakh. SSR.
19:93-159 '64.

Phytoclimate of reed growths in the Syr Darya Valley.
Ibid.:160-171   (MIRA 18:3)

DEMIDOVSKAYA, L.F.

Water balance of the industrial growths of reed in the south of Kazakhstan. Trudy Inst. bot. AN Kazakh. SSR 21:268-284 '65.
(MIRA 18:12)

DEMIDYUK, A.

"Work organization and establishing technical standards for assembly
and installation work in instrument manufacturing enterprises" by
M.S.Pavlov. Reviewed by A.Demidiuk. Sots.trud 8 no.3:151-153
Mr '63.   (MIRA 16:3)
   (Instrument industry--Production standards)   (Pavlov, M.S.)

DEMIDYUK, A.A., TAMBIYEV, E.A.

Reconstruction of the EKP-4m electrocardiograph into a two-channel apparatus. Biul.eksp.biol. i med. 46 no.7:115-117 Je '58 (MIRA 11:7)

1. Iz Kislovodskogo filiala rentgeno-fizioterapevticheskikh masterskikh Stavropol'skogo krayevogo otdeleniya Gosudarstvennogo aptechnogo upravleniya (zav. Ye.G.Pyatogov) i Kislovodskogo sanatoriya "Steklyanna-ya struya" (glavnyy vrach E.A. Tambiyev). Predstavlena deystvitel'nym chlenom AMN SSSR V.V. Parinym).
        (ELECTROCARDIOGRAPHY, appar. & instruments,
            for simultaneous ECG & ballistocardiography (Rus))
        (BALLISTOCARDIOGRAPHY, appar. & instruments
            same (Rus))

DEMIDYUK, Fedor Grigor'yevich [Demydyuk,F.H.]; KALACHIKOV, O.T.[Kalachykov,
O.T.], kand. sel'skokhoz. nauk, otv. red.; GURENKO, V.A. [Hurenko,
V.A.], red.; MATVIICHUK, O.A., tekhn. red.

[Let's carry out the decisions of the January 1961 plenary sessions
of the Central Committees of the CPSU and the Communist Party of the
Ukraine in an exemplary fashion] Zrazkovo vykonaiemo rishennia
sichnevykh Plenumiv TsK KPRS i TsK KP Ukrainy 1961 r. Kyiv, 1961.
43 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan'
Ukrains'koi RSR. Ser. 5, no.5)   (MIRA 14:8)
                     (Ukraine—Agriculture)

BABICHEV, G.T.[Babichev, H.T.]; GAL'CHINSKAYA, V.A.
        Hal'chins'ka V.A.]; DEMIDYUK, F.O.[Demydiuk, F.H.];
        LITVIN, S.G.[Lytvyn, S.H.]; NISHCHUK, S.M.; S"EMIK,
        P.M.[S'omyk, P.M.], red.; KIFORENKO, I.S., red.;
        CHAYEVSKAYA, N.S.[Chaievs'ka, N.S.], red.; SERGEYEV,
        V.F.[Serhieiev, V.F.], tekhn. red.

        [Manual of a rural activist] Dovidnyk sil's'koho akti-
        vista. Kyiv, Derzh. vyd-vo pol. lit-ry URSR, 1962. 563 p.
                                        (MIRA 17:1)
        1. Prepodavateli Vysshey partiynoy shkoly pri TSentral'nom
        komitete Kommunisticheskoy partii Ukrainy (for Babichev,
        Gal'chinskaya, Demidyuk,Litvin, Nishchuk).
                (Agriculture—Handbooks, manuals, etc.)

DEMIDYUK, G.P.

KUBALOV, Boris Georgiyevich; DEMIDYUK, G.P., nauchnyy redaktor; LEYBUSH, V.I., redaktor; GILENSON, P.G., tekhnicheskiy redaktor

[Blaster's handbook; operations in open-cut mining] Spravochnik vzryvnika; otkrytye gornye raboty. Moskva, Gos.izd-vo lit-ry po stroit.materialam, 1957. 167 p.   (MIRA 10:8)
        (Blasting)   (Strip mining)

DEMIDYUK, G.P.

BELYAYEV, A.F.

AUTHOR: Solomonov, N.

SOV/24-58-5-30/31

TITLE: Scientific-Method Conference on the Problem of Breaking-up Rocks by Explosions (Pervoye nauchno-metodicheskoye soveshchaniye po probleme drobleniya gornykh porod vzryvom)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh Nauk, 1958, Nr 5, pp 143-144 (USSR)

ABSTRACT: On February 24-26, 1958 a conference was held on breaking-up rocks by explosions at the Institute of Mining, Ac.Sc., USSR (Institut Gornogo Dela AN SSSR). 100 people from 32 towns participated and the participants included representatives of Works, Research Institutes of the Ac.Sc. from various parts of the Soviet Union, departmental research institutes and of higher teaching establishments.

construction" by Ye. Yu. Broder, TsNIIS;
"Industrial production methods of estimating the fragmentation of rock produced by explosive breaking-up in quarries" by G. P. Demidyuk and G. S. Cherepanov, Institute of Mining, Ac.Sc. USSR;
"Photogrammetric method of evaluating fragmentation of a rock mass" by O. S. Mechikov, Moscow Mining Institute.
In the section relating to the influence of the parameters of explosive fragmentation on the breaking-up of rocks and data of industrial investigations the following papers were presented:
"On the degree of fragmentation of ore and determination of its optimum value" by V. I. Terent'yev, Mining-Geological Station, Ac.Sc., USSR;
"On the first results of applying inclined bore holes of a reduced dimension for explosive work under difficult rock conditions in the Pervoural quarry" by

MEL'NIKOV, N.V., red.; ASSONOV, V.A., red.; BARON, L.I., red.; DEMIDYUK, G, P.
kand.tekhn.nauk; red.; DOKUCHAYEV, M.M., gornyy inzh., red.;
PETROV, N.G., kand.tekhn.nauk, red.; SOSEDOV, O.O., red.;
KHARLAMOV, T.F., red.; MAKSIMOVA, Ye.P., red.; RATNIKOVA, A.P.,
red.izd-va; SHKLYAR, S.Ya., tekhn.red.; KOROVENKOVA, Z.A., tekhn.red.

[Improvements in boring and blasting operations in the mining
industry; transactions of the Scientific and Technical Conference
on Boring and Blasting Operations] Trudy Nauchno-tekhnicheskogo
soveshchaniya po burovzryvnym rabotam: Sovershenstvovanie buro-
vzryvnykh rabot v gornoi promyshlennosti. Pod red. N.V.Mel'nikova.
Moskva, Ugletekhizdat, 1959. 443 p.   (MIRA 12:4)

1. Nauchno-tekhnicheskoye soveshchaniye po burovzryvnym rabotam,
3d, Moscow, 1958. 2. Chlen-korrespondent AN SSSR (for Mel'nikov).
3. Institut gornogo dela AN SSSR (for Demidyuk). 4. Vsesoyuznyy
trest po burovym i vzryvnym rabotam (for Dokuchayev). 5.Vsesoyuznyy
nauchno-issledovatel'skiy ugol'nyy institut (for Petrov).
           (Boring)   (Blasting)

DEMIDYUK, G.P., kand. tekhn. nauk; MARCHENKO, L.N., kand. tekhn. nauk

Cutting the costs of blasting operations in open-pit mining.
Ugol' 34 no.9:56-59 S '59.   (MIRA 12:12)
              (Blasting) (Strip mining)

BURMISTROVICH, Ye.L.; VATOLIN, Ye.S.; DEMIDYUK, G.P.; MARCHENKO, L.N.;
     ROSSI, B.D.; TATARNIKOV, A.A.; SHATAYEV, M.G.; ASSONOV, V.A.,
     otv.red.; OKHRIMENKO, V.A., red.izd-va; KONDRAT'YEVA, M.A.,
     tekhn.red.

[Handbook on blasting operations] Spravochnik po burovzryvnym
rabotam. Pod red. V.A.Assonova. Moskva, Gos.nauchno-tekhn.izd-vo
lit-ry po gornomu delu, 1960. 450 p.   (MIRA 13:3)
     (Blasting)   (Coal mines and mining)

ASSONOV, V.A.; DOKUCHAYEV, M.M.; KUKUNOV, I.M.; NIKOLAYEV, N.A., retsenzent;
ROSSI, B.D., retsenzent; SINYAKIN, P.V., retsenzent [deceased];
DEMIDYUK, G.P., kand.tekhn.nauk, nauchnyy red.; GOMOZOVA, N.A.,
red.izd-va; STEPANOVA, E.S., tekhn.red.; RUDAKOVA, N.I., tekhn.red.

[Boring and blasting operations] Burovzryvnye raboty. Moskva, Gos.
izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1960. 406 p.
(MIRA 13:5)

(Boring)   (Blasting)

$DEMIDYUK,$ G. P.

PHASE I BOOK EXPLOITATION

SOV/5032

Mel'nikov, Nikolay Vasil'yevich, Boris Aleksandrovich Simkin,
Larisa Nikolayevna Marchenko, and Grigoriy Prokof'yevich
Demidyuk

Novyye sredstva bureniya i vzryvaniya na otkrytykh razrabotkakh
(New Methods of Drilling and Blasting in Open-Pit Mining)
Moscow, Gosgortekhizdat, 1960.   189 p.   Errata slip inserted.
4,000 copies printed.

Ed. (Title page): N. V. Mel'nikov; Ed. of Publishing House:
S. N. Bykhovskaya; Tech. Eds.: A. A. Nadeinskaya and G. M.
Il'inskaya.

PURPOSE: This book is intended for technical personnel of the
coal and mining industries, scientific workers, and students
in schools of mining engineering.

COVERAGE: The book contains detailed information on purportedly
new means of well drilling, low-cost explosives, and on

Card 1/6.

DEMIDYUK, G.P., kand.tekhn.nauk

Ways to improve grain-size distribution when breaking down minerals by explosives. Vzryv. rab. no.4:26-41 '60. (MIRA 15:1)

1. Institut gornogo dela AN SSSR.
                              (Blasting)
                    (Particle size determination)

DEMIDYUK, G.P., kand.tekhn.nauk; CHEREPANOV, G.S., gornyy inzhener

Evaluation of the yield and extent of oversize according to the data of industrial accounting of the expenditure indices of secondary blasting. Vzryv. rab. no.4:68-74 '60. (MIRA 15:1)

1. Institut gornogo dela AN SSSR.
(Blasting)

DEMIDYUK, G.P., kand.tekhn.nauk; MARCHENKO, L.N., kand.tekhn.nauk; ROSSI,
B.D., kand.tekhn.nauk

Study and development of simplest granular explosives. Vzryv.delo
no.44/1:11-40 '60.   (MIRA 13:7)
(Explosives)

DEMIDYUK, G.P., kand.tekhn.nauk

Mechanism of the blast effect and properties of explosives. Vzryv.
delo no.45:20-35 '60.   (MIRA 14:1)
        (Blast effect)   (Explosives)

BARON, L.I., prof., doktor tekhn.nauk; DEMIDYUK, G.P., kand.tekhn.nauk;
ADRIANOV, N.F., gornyy inzh.

Foreign experience in the improvement of blasting operations
based on the use of explosives of the simplest composition.
Vzryv. delo no.45:177-195 '60.   (MIRA 14:1)
              (Blasting)

KUTUZOV, Boris Nikolayevich; PSHENICHNYY, Mikhail Andreyevich;
    DOKUCHAYEV, M.M., inzh., retsenzent; DEMIDYUK, G.P., kand.
    tekhn. nauk, retsenzent; BYKHOVSKAYA, S.N., red. izd-va;
    PRONINA, N.D., tekhn. red.

[Blaster in open-pit mines]Vzryvnik na otkrytykh gornykh raz-
rabotkakh. Moskva, Gosgortekhizdat, 1962. 154 p.
                                        (MIRA 15:9)

    (Blasting)   (Quarries and quarrying)

MAGOYCHENKOV, Maksim Alekseyevich; GALADZHIY, Fedor Maksimovich;
     ROSINSKIY, Nikolay Leonidovich; DEMIDYUK, G.P., retsenzent;
     ASSONOV, V.A., otv. red.; RATNIKOVA, A.P., red. izd-va;
     LOMILINA, L.N., tekhn. red.; SHKLYAR, S.Ya., tekhn. red.

[Blasting foreman]Master-vzryvnik. Moskva, Gosgortekhizdat,
1962. 287 p.   (MIRA 15:8)
                    (Blasting)

DEMIDYUK, G. P.

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PHASE I BOOK EXPLOITATION

SOV/6098

Assonov, V. A., and L. A. Paporotskiy, Resp. Eds.

Novoye v sredstvakh i sposobakh vzryvaniya (New Developments in Blasting Means and Methods). Moscow, Gosgortekhizdat, 1962. 124 p. (Series: Vzryvnoye delo; Sbornik no. 48/5) Errata slip inserted. 3000 copies printed.

Sponsoring Agency: Nauchno-tekhnicheskoye gornoye obshchestvo.

Ed. of Publishing House: A. Ya. Koston'yan; Tech. Eds.: L. I. Minsker and O. M. Il'inskaya.

PURPOSE: The book is intended for mining engineers, workers in scientific research and planning organizations, and also for teachers and students of mining and technical schools.

COVERAGE: This collection of articles describes new blasting means and methods, means of protecting electric detonators from stray currents, and improved methods of short-delay detonation.

Card 1/6

New Developments in Blasting Means (Cont.)   SOV/6098

ЭЗОШ-Б electric igniter; ЭЗП-Б electric igniter
cartridge; ЭЗТ-2 capped electric fuse; ДШГ-1 and
ДШГ-2 safety detonating fuses; ДШТ-165 heat-resis-
tant detonating fuse; ДШУ reinforced detonating
fuse; КЗДШ-58 pyrotechnic detonating relay.

Card 3/6

OSTROUSHKO, Ivan Antonovich, prof., doktor tekhn. nauk; BOBIN,
Yevgeniy Gerasimovich, gornyy inzh.; YEMEKEYEV, Vyacheslav
Ivanovich, dots., kand. tekhn. nauk; KRIVCHIKOV, Petr
Fedorovich, gornyy inzh.; CHUGUNOV, Leonid Fedorovich,
gornyy inzh.; DEMIDYUK, G.P., kand. tekhn. nauk, retsenzent;
GEYMAN, L.M., red.izd-va; LAVRENT'YEVA, L.G., tekhn. red.

[Mechanization of blasting; mechanization of loading and
stemming blast holes and mine chambers]Mekhanizatsiia
vzryvnykh rabot; mekhanizatsiia zariazhenia i zabotki shpu-
rov, vzryvnykh skvazhin i minnykh kamer. Moskva, Gosgor-
tekhizdat, 1962. 127 p.   (MIRA 15:11)
(Blasting—Equipment and supplies)

KUCHERYAVYY, Feodosiy Ivanovich; DRUKOVANYY, Mikhail Fedorovich;
GAYEK, Yuriy Vladimirovich; DEMIDYUK G.P., otv. red.;
GEYMAN, L.M., red. izd-va; SHKLYAR, S.Ya., tekhn. red.

[Short delay blasting in open-cut mines] Korotkozamedlennoe
vzryvanie na kar'erakh. Moskva, Gosgortekhizdat, 1962. 226 p.
(MIRA 16:2)

(Blasting) (Mining engineering)

MEL'NIKOV, Nikolay Vasil'yevich, akademik; SIMKIN, Boris Aleksandrovich,
kand. tekhn. nauk; DEMIDYUK, Grigoriy Prokop'yevich, kand.
tekhn. nauk; VINITSKIY, Konstantin Yefimovich, kand. tekhn. nauk;
STAKHEVICH, Yekaterina Borisovna, inzh.; KRASNIKOV, Aleksey
Sergeyevich, kand. tekhn. nauk; CHERNEGOV, Yuriy Aleksandrovich,
inzh.; POTAPOV, Mikhail Gennad'yevich, kand. tekhn. nauk;
CHESNOKOV, Mitrofan Mitrofanovich, kand. tekhn. nauk;
NURMUKHAMEDOVA, V.F., red. izd-va; SHKLYAR, S.Ya., tekhn. red.

[Foreign technique of open-pit mining]Tekhnika otkrytykh gornykh
rabot za rubezhom. Moskva, Gosgortekhizdat, 1962. 379 p.
(MIRA 16:1)

(Strip mining)

DEMIDYUK, G.P.

  Delay intervals in short-delay blasting. Vzryv. delo no.48/5:
33-44 '62.   (MIRA 15:9)

  1. Institut gornogo dela im. A.A.Skochinskogo.
          (Blasting)

DEMIDYUK, G.P., kand.tekhn.nauk; SMIRNOV, S.A., inzh.

Methodology of laboratory modeling of blasting. Vzryv.
delo no.50/7:58-62 '62.   (MIRA 15:9)

1. Institut gornogo dela imeni A.A. Skochinskogo.
                 (Blasting—Models)

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1. Institut gornogo dela im. A.A. Skochinskogo (for Demidyuk).
2. Institut gornogo dela AN Gruzinskoy SSR (for Ivanov).
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NOVOZHILOV, Mikhail Galaktionovich; TERESHCHENKO,
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We are receiving the new grain in well equipped granaries.
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Ukrainskogo nauchno-issledovatel'skogo instituta klinicheskoy meditsiny
im. akademika N.D. Strazhesko). Adres avtora: Kiyev, ul. Saksaganskogo,
d.75, Ukrainskiy nauchno-issledovatel'skiy institut klinicheskoy medi-
tsiny im. akad. N.D. Strazhesko.
           (OXIDATION, PHYSIOLOGICAL)   (NITROUS OXIDE)

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A.I. Khomazyuk) Ukrainskogo nauchno-issledovatel'skogo instituta
klinicheskoy meditsiny.
              (HEART)   (ELECTROTHERAPEUTICS)